

BIBLIOGRAPHICAL AND NOMENCLATORIAL NOTES ON  
THE RHYNCHOTA. No. 1.

By G. W. KIRKALDY, F.E.S.

THESE notes will serve as a commentary, to some extent, on the "Nomenclature of the Genera of the Rhynchota" now appearing serially in the 'Entomologist.'

I wish, first of all, to modify "method" No. 3 (*l.c.*, 1900, p. 26). After considerable correspondence with my friend Mr. L. B. Prout, who is making similar studies upon the nomenclature of certain Lepidoptera, I have come to feel with him that a more logical method is to work out each genus independently. Fabricius was ignorant of (or ignored) Latreille's work published the previous year, and there is no doubt that the genera are co-extensive and practically identical. I have not, therefore, adopted the usual plan, in such a case, of fixing the remaining (or one of the remaining, if there are more than one) species as the type of the other genus.

1762. Geoffroy's 'Histoire abrégé' has been placed by Reuter (in his 'Revisio') among the non-Linnean works, *viz.*: 'Arbeiten in welchen die binäre nomenclatur nicht durchgeführt ist.' I have but little to say on this point, except that if such genera as those in Latreille's "Précis"—*Pentatoma*, Oliv., *Cylindrostethus*, Fieber, &c.—are to be (as they are apparently universally) accepted, it is not logical to refuse admittance to Geoffroy's work, which was, generally speaking, far more scientifically conceived and accurate than almost any other entomological work of his century. He himself was certainly under the impression that his work was based on Linné's system, for which he expressed the greatest admiration.\* His genera are clearly defined, and in all the Linnean species redescribed Linné's nomenclature is adjoined. It appears to me quite logical to quote his "Grande Punaise à avirous" (for instance) as "*Notonecta glauca*, Linn., Geoffr., 1762, Hist. abr. i. 476." In 1764, O. F. Müller (Ins. Fridrichsdal.) confirmed all Geoffroy's Rhynchota genera, except *Tetigonia*, which he seems to have overlooked.

\* "Cependant l'histoire des . . . insectes est restée jusqu' à nos jours dans cette espèce de confusion et c'est à M. Linnæus, cet infatigable Naturaliste Suédois, que nous devons le premier Ouvrage methodique sur cette matiere . . . si son Ouvrage est encore éloigné de la perfection au moins doit on lui savoir gré d'avoir montré la route qu'il faut suivre" ('Discours Preliminaire,' p. x).

"A l'aide d'un ordre methodique, nous pratiquerons la même chose sur les insectes . . . et l'on pourra trouver le nom et l'espèce d'un insecte inconnu auparavant" (*l.c.*, xii).

"Nous sommes donc infiniment redevables à M. Linnæus d'avoir cherché le premier à ranger methodiquement les insectes, et à trouver des caracteres génériques qui les fissent plus aisément connoître" (*l.c.*, xiii), &c.

1825. The exact date of publication of the tenth volume of the 'Encyclopédie méthodique' and of Latreille's 'Familles naturelles' is uncertain; but, from internal evidence, pp. 1-325 of the former were apparently published before, and pp. 326 to the end, after, the appearance of Latreille's work. *Reduvius cruciatus* is fixed for the type of *Ectrichodia* for the following reason, viz., seven species are mentioned, but in the individuals of one only (*cruciata* = *crux*, Thunb.) were the full number of antennal segments present, and this is specified in the generic description: "S'il nous eût été possible de vérifier les antennes de plusieurs especès, nous n'aurions par hésité à proposer cette subdivision comme genre sous le nom d'Ectrichodie (*Ectrichodia*), mais nous ne les avons complètes que dans une seule espèce."

1835. Lewis, in Trans. Ent. Soc. i. pp. 47-52. This paper is usually quoted "1836"; but Burmeister states that it was published in 1835 (Arch. f. Naturg. 1836, ii. pt. 2, p. 327).

1843-4. Guérin-Ménéville's 'Iconographie' (Insectes) is dated 1829-38; the date of the Rhynchota part is, however, 1843-4. On p. 352 (in the same part as p. 343, on which the Rhynchota begin) is written: "Nous avons publié dans la 'Revue Zoologique de la Société Cuvierienne,' 1843," &c.; and on p. 381 ("error," 831) the author states that Amyot and Serville's 'Suites à Buffon, Hemipterès' (pub. 1843), is "actuellement sous presse." Pp. 369-81 may have appeared very early in 1844, as the author subscribes the date of writing (p. 385 in the same part) as "Décembre, 1843." Although dated 1843, Amyot and Serville's work may have actually appeared in 1844.\*

1834. Reuter (Revisio Syn. 1888) incorrectly assigns *argus* (= *malabaricus*) as type of *Asopus*, Burm. This genus was founded in 1834, in Rev. Ent. ii. 1-26, for two species, viz., *gibbus* (= *cayennensis*) and *dianæ* (= *anchorago*), which cannot be generically separated (sec. auctt.) from the types of *Discocera*, Lap., and *Stiretrus*, Lap., respectively. Burmeister states that this part of the Rev. Ent. was published before his contribution to Meyen's 'Reise' (vide 'Handbuch,' ii. 349): "Ich. habe den von mir vorgeschlagenen (in nov. acta. phys. med. vol. xvi. suppl. p. 418) Gattungsnamen beibehalten . . . Früher" (in Silbermann's 'Revue,' ii. 19)," &c.

"*Kleidocerus*, West. Hope Cat. 1842," is erroneously quoted (Lethierry and Sev. Cat. ii. 158) as a synonym of *Ischnorhynchus*. The former name does not occur in the Hope Catalogue, and I cannot find that it was ever described. It was undescribed, as "*Kleidocerys*," in Stephens' Catalogue, 1829, and in Westwood's "Introduction," Gen. Syn. 123 (1839).

\* The plates of this work were, in part at least, issued about 1834, for Burmeister quotes them (1835, Handb. Ent. ii. p. 152), and some are dated 1834.

## NOTES ON LETHIERRY AND SEVERIN CAT. VOL. I. (1893).\*

Pp. 1 & 2. The first description of *Aphanopneuma biloba* and *Cantharodes cœnosa*, Westwood, appeared in 1846, under the generic name of *Plataspis*, the subgenera being indicated, but not described till 1847.

P. 1. The specific reference to *Ceratocoris bucephalus*, White, is correct; but the genus was not named nor described till 1842. Trans. Ent. Soc. Lond. iii. 84.

P. 18. \**Scutiphora*, Guér. Coquille, 1830-1 = *Peltophora*, Burm.

P. 83. *Dryptocephala*, Lap., 1832 = \**Storthis*, Perty, 1834. Delect. p. 215 (type of *Storthis* is *Phlea livida*, Perty; p. 168 [nec 169 as in index] = *Storthis livida*, l. c., p. 215).

P. 105. *Stenotoma*, Westw., was first described, with its type, in Proc. Ent. Soc. Lond., 1844, p. cxix (reprint, 1864, p. 99).

P. 119. *Rhytidolomia*, Stål, 1872 = *Pentatoma*, L. & S. = *Lioderma*, Uhl. (preocc. Mars., 1857) = *Chlorochroa*, Stål, 1872. Type *senilis*, Say.

P. 183. Delete "*Pentatoma*, Linné," &c.!!

P. 202-20 (see above, re *Asopus*). *Discocera*, Lap. = *Asopus*, Burm. (p.); *Stiretrus*, Lap. = *Asopus*, Burm. (p.); *Amyotea*, Ellenrieder = *Asopus*, Leth. & Sev.

P. 224. *Agapophyta*, Guér., 1830-1, is wrongly attributed to Laporte.

P. 239. *Megymenum*, Guér., 1830-1, is wrongly attributed to Laporte.

P. 240. The original description of *Eumenotes* (and its type) was in Proc. Ent. Soc. Lond., 1844, p. cxv (reprint, p. 95).

P. 243. The correct spelling is *Schyzops* (see p. 297, Spinola).

P. 224. *Oncomeris flavicornis*, Guér., 1830-1, is wrongly attributed to Burmeister, 1835.

## NOTES ON VOL. II. (1894).

P. 20 (α). *Acanthocerus*, Pal. B., 1805 [not preocc., as saith Burm.] = *Crinocerus*, Burm. Type, *sanctus* (Fabr.), Lap.

(β). *Hymeniphora*, Lap. = *Hymenophora*, Am. Serv. = *Acanthocerus*, L. & S. Type, *crucifer* (Pal. B.), Lap.

P. 42. *Lybastes*, n. n. = *Lybas*, Dall. (nec Chev., 1834). Type, *annulipes*, Dall.

P. 77. *Acanonicus*, Westw., Hope Cat. ii. p. 3 (1842). This reference, I think, stretches the meaning of "reference to a previously described genus or subgenus" to its farthest limits. Westwood simply substitutes "*Acanonicus*" for "*Spartocerus*, b. Burm."; but as the section "b" is based on structural characters, it may perhaps pass muster.

P. 95. \**Coriomeris*, Westw., l. c., p. 6 (1842) = *Merocoris*, Hahn (1831, nec descr.), 1834 (preocc., Perty, 1832) = *Coreus*,

\* An asterisk (\*) before a name signifies that it is omitted in Lethierry and Severin's Catalogue, vols. i.-iii.

L. & S. (nec Fabr., typ.). Type [*pilicornis*, Klug. =] *denticulatus*, Scop.

P. 128. *Berytinus*, n. n. = *Berytus*, L. & S. (nec Fabr., typ.) = *Neides*, L. & S. (nec Latr., typ.). Type, *clavipes*, Fabr.

P. 150. *Lygæosoma sardea*, Spin., 1837 = *reticulata* (H.-S., 1838).

P. 165. *Blissus*, Klug, 1830, nec 1845:

P. 190. *Chiroleptes*, Kirby, 1837 = *Myodocha*, L. & S. (nec Latr., 1807).

P. 205. *Plinthisus*. I have been unable to find a reference to this in Latreille, Gen. Crust. Ins. iii.

P. 214. *Aphanus*, Lap., 1832 = *Calyptonotus*, D. & S., 1865. Type, *roland*[*r*]*i* (Linn.).

#### NOTES ON VOL. III. (1896).

Pp. 7 & 8 ( $\alpha$ ). *Dictyonota*, Curt. = *Seraulia*, Stål. Type [*eryngii*, Curt., nec Latr. =] *strichnocera*, Fieb.

- ( $\beta$ ). *Alcletha*, n. n. = *Dictyonota*, L. & S. (nec Curt., typ.). Type, *tricornis*, Schranck. [= *crassicornis*, Fall., L. & S.].

P. 9. *Coleopterodes*, Phil., 1864 = *Solenostoma*, Sign. (nec Raf., 1815).

P. 29. *Macrocephalus*, Swed. = \**Macrothyreus* (subg.), Westw. Trans. Ent. Soc. Lond. iii. p. 28.

P. 41. *Dysodius lunatus* (Fabr.) = \**lunulatus*, Lep., Serv., 1825.

P. 51. *Næogeus*, Lap., 1832 [nec *Næogæus*] = *Hebrus*, Curtis, 1833.

P. 62. *Cylindrostethus productus* (Spin.) = *Gerris producta*, Spin., 1837, L. & S. p. 62 = *Hydrobates fieberi*, L. & S. p. 63.

P. 96. *Physoderes*, Westw., 1844, Proc. Ent. Soc. Lond. p. cxv (rep. p. 96) = *Epirodera*, Westw., 1847.

P. 103. *Tetroxia*, Am. Serv., 1843 = *Acanthaspis*, 1843.

P. 112. *Sorglana*, n. n. = *Macrophthalmus*, Lap., 1832 (nec Latr., 1829) = *Macrops*, Burm., 1835 (nec Perty, 1832). Type, *pallens*, Lap.

P. 113-14 ( $\alpha$ ). *Tapeinus*, Lap., 1832 = *Opinus*, Lap., 1832 = *Tapinus*, Burm., 1835 = *Sminthus*, L. & S. Type, *pictus*, Lap.

N.B. *Opinus* is only mentioned in the analytical tables.

( $\beta$ ). *Staliastes*, n. n. = *Opinus*, Stål. (nec Lap., typ.). Type, *rufus* (Lap.) Whether *Tapeinus* or *Opinus* be ultimately preferred for *pictus*, neither of these generic names can be used for *rufus*, for this species was included with doubt by Laporte in his *Tapeinus*.

P. 116. *Triatoma*, Lap., 1832 (not preoccupied) = *Conorhinus*, Lap., 1832. *Triatoma* ought to have preceded.

Pp. 133, 137, & 139 ( $\alpha$ ). *Rhiginia*, Stål., 1850 = *Ectrichodia*, L. & Sev.

( $\beta$ ). *Loricerus* (Hahn), Burm. = *Larymna*, Stål, 1859. = *Ectrychotes*, Leth. & Sev. Type, *hematogaster*.

( $\gamma$ ). *Ectrichodia*, Lep. & Serv., 1825 = *Ectrychotes*, Burm.,



1835 [= *Loricerus*, Hahn (p.), nec descr.] = *Physorhynchus*, Leth. and Sev. Type (*cruciatus*, Lep. & S. =), *crux*, Thunb.

N.B. *Ectrychotes* was simply an "emendation" (sic!), and cannot be used otherwise than as a pure synonym of *Ectrichodia*.

P. 135. *Castra*, n. n. = *Cimbus* (Hahn), Burm., 1835, L. & S., nec Laporte, 1832. Type, *productus* (Hahn).

P. 151 (α). *Zelus*, Fabr. = *Euagoras*, Burm. (nec *Evagoras*). Type of latter, *speciosus*, Burm.

(β). *Diplacodus*, n. n. (subg.) = *Diplodus*, Am. Serv. (nec Raf., 1815).

Pp. 157-95 (α). *Rhynocoris*, Hahn (Nov., 1833) = *Harpactor*, L. & S. Type (*cruentus*, Fabr. =) *iracundus*, Poda.

(β). *Harpactor*, Lap., 1832 = *Sthienera*, L. & S.) Type, *angulosus* (Lep. Serv.), Lap., Essai, 1832, pp. 8 and 88.

P. 184. *Darbanus*, Am. Serv., 1843 = *Euagoras*, L. & S. (nec Burm., typ.).

P. 202. *Nabis*, Latr., 1802 = *Prostemma*, L. & S. Type, *guttula* (Fabr.), Latr., 1804.

P. 207. *Reduviolus*, Kirby, 1837 = (subg.) *Nabacula*, Kirby, 1837 = *Aptus* (Hahn, nec descr.), Stål. = *Nabis*, L. & S. Type, *inscriptus*, Kirby.

P. 226. *Leptopus*, Latr. Consid. gén. (1810).

P. 237. *Dolichomerium*, n. n. (subg.) = *Dolichomerus*, Reut. (nec Macq., 1850).

#### MISCELLANEOUS NOTES.

*Colgar*, n. n. = *Atella*, Stål. (nec Doubl., 1847). Type, *peracuta* (Walk.).

*Darthula*, n. n. = *Urophora*, Westw. (nec Desv., 1830). Type, *hardwickii*, Westw.

*Cicada aurifera*, Say, 1832 = *marginata*, Say, 1832 (nec Oliv., 1790).

*Thaumastopsaltria*, n. n. = *Acrilla*, Stål (nec Adams, 1860). Type, *adipata* (Stål).

*Tongorma*, n. n. = *Craspedum*, Am. Serv. (nec Ramb., 1838-42). Type, *phyllomorphum* (Latr.).

*Tonga*, n. n. = *Cyrene*, Westw. (nec Heck., 1840). Type, *guttulata* (Westw.).

*Zoraida*, n. n. = *Thracia*, Westw., 1840\* (nec Blainv., 1825). Type, *sinuosa* (Boh.).

*Phoronastes*, n. n. = *Phoroneus*, Stål (nec Raf., 1815). Type, *crassifemur* (Stål).

*Sronachlachar*, n. n. = *Aleria*, Stål (nec Marsh., 1874.) Type, *asopoides*, Stål.

\**Leptomeris picta*, Lap., Essai, 1832, p. 10, from Paris. What is the modern synonymy of this genus and species, apparently not included in Puton's nor in Lethierry and Severin's Catalogues? The generic name is preoccupied by Hübner, 1816.

*Edwardsiastes*, n. n. = *Glyptocephalus*, Edw. (nec Gotts., 1835). Type, *proceps*, Kirschb.

*Proranus*, Spin., 1850 = *Epiclines*, Am. Serv. (nec Guér., 1838).

*Balclutha*, n. n. = *Gnathodus*, Fieb. (nec Pand., 1856).

*Hindola*, n. n. = *Curystus*, Stål (nec Hübn., 1816). Type, *viridicans* (Stål).

*Jamaicastes*, n. n. = *Domitia*, Stål (nec Thoms., 1858). Type, *basistriella* (Walk.).

*Krisna*, n. n. = *Siva*, Spin. (nec Hodgs.). Type, *Strigicollis* (Spin.).

*Lydda*, Westw., 1840 = *Diospolis*, Westw., 1841. Type, *elongatus* (Fabr.).

*Kalidasa*, n. n. = *Phoronis*, Stål (nec Wright, 1857). Type, *sanguinalis* (Westw.).

*Hilda*, n. n. = *Isthmia*, Walk. (nec Gray, 1821). Type, *undata* (Walk.).

*Flosshilda*, n. n. = *Autonoë*, Stål (nec Bruz., 61). Type, *albiger*a (Stål).

*Phorastes*, n. n. = *Phorus*, Stål (nec Montf., 1810). Type, *femoratus* (DeGeer).

*Zyzza*, n. n. = *Germaria*, Lap. (nec Desv., 1830). Type, *cucullata* (Lap.).\*

I have not seen, nor have I been able to obtain accurate information regarding, Hahn's 'Icones ad monogr. Cimicum,' 1826. There were apparently twenty-four plates, but only one page of letterpress, so that the genera were probably not defined. The following appear to be at least named in this work, viz. :—*Globocoris*, *Pilophorus*, *Centroproctus*, *Hypselonotus*.

## SOME BEES VISITING THE FLOWERS OF MESQUITE.

By T. D. A. COCKERELL, N. M. Agr. Exp. Sta.

THE bees here enumerated were collected by Miss Nora Newberry at the flowers of mesquite (*Prosopis glandulosa*, Torrey) at Mesilla Park, New Mexico, May 20th, 1900. It is an indication of the richness and variety of our bee-fauna, that even after so many years of collecting by the present writer in the immediate vicinity, two of the species are new.

- (1.) *Centris rhodopus*, Ckll., three males.
- (2.) *C. lanosa*, Cress., one male.
- (3.) *C. hoffmanseggiae*, Ckll., one female, four males.
- (4.) *Anthidium paroscæ*, Ckll., five males.
- (5.) *Megachile chilopsidis*, Ckll., one female.
- (6.) *M. cleomis*, subsp. *lippiæ*, Ckll., two females.
- (7.) *M. sidalceæ*, Ckll., one female.

\* Subgenus (?) of *Tetigonia*, Geoffr.